

Title (en)

POWER SOURCE AND POWER SOURCE VOLTAGE REGULATING METHOD

Title (de)

STROMQUELLE UND SPANNUNGSREGELVERFAHREN FÜR DIE STROMQUELLE

Title (fr)

SOURCE D'ALIMENTATION ET PROCÉDÉ DE RÉGULATION DE TENSION DE SOURCE D'ALIMENTATION

Publication

EP 2911282 B1 20191113 (EN)

Application

EP 13790135 A 20130625

Priority

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- CN 2013077938 W 20130625

Abstract (en)

[origin: EP2911282A1] A power source and a power source voltage regulating method are described. The power source includes: a current source device, a voltage source device, and a voltage selection device. The current source device is configured to provide a current signal to the voltage source device; the voltage source device is connected to the current source device, includes multiple voltage sources, and is configured to convert the current signal from the current source device into a voltage signal; and the voltage selection device is connected to the voltage source device, and is configured to select one of voltage signals from multiple voltage sources as an output voltage signal. By means of the disclosure, one current source device is used to supply power to multiple voltage sources in the voltage source device, so as to maintain the output voltages (V₁ to V_N) of the voltage sources stable; the voltage selection device selects the output of one of the voltage sources as an ultimate output voltage (V_{out}) according to an actual voltage regulating demand, thereby significantly simplifying the structure of a multi-input power source, hence reducing the volume of the power source, reducing the cost, and improving the efficiency.

IPC 8 full level

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CPC (source: EP US)

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Cited by

KR20200050735A; EP3509202A1; US11101774B1; US11695373B1; US11043926B2; US11677364B2; US10608607B2; US10917059B2; US11463061B2; US11699981B2

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